Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/16/2021 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124343	-1	1.31	124245	1.28
Blue	F	SSC	125000	123438	-2	2.46	123745	2.33
Blue	E	FITC	13131	12669	-4	2.46	293	15.91
Blue	D	PE	24112	23737	-2	1.91	546	10.87
Blue	B	PerCP-Cy5-5	31295	30514	-3	3.22	1010	14.89
Blue	A	PE-Cy7	19939	19487	-3	5.34	517	29.49
Red	C	APC	42122	41950	-1	2.75	1761	11.13
Red	A	APC-Cy7	22340	21824	-3	3.28	815	11.58
Violet	B	V450	7410	7076	-5	3.41	434	12.61
Violet	A	V500	28118	26799	-5	2.94	669	9.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22841	1.45	570	1	N/A	N/A	Pass
Blue	F	SSC	57523	1.15	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0388	89	Pass
Blue	D	PE	115	37.76	490	2	0.4247	348	Pass
Blue	B	PerCP-Cy5-5	187	36.22	586	0	0.0187	42	Pass
Blue	A	PE-Cy7	101	71.00	628	0	0.0219	6	Pass
Red	C	APC	409	23.53	577	1	0.0293	203	Pass
Red	A	APC-Cy7	182	26.87	550	-1	0.0063	794	Pass
Violet	B	V450	61	62.17	461	8	0.0559	2067	Pass
Violet	A	V500	96	35.15	472	7	0.0250	898	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Input Device:	Carousel	Date:	08/16/2021 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.27	1.00
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.04	13.60 - 20.40	N/A	N/A	29.80	29.88	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9655

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments